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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/828,587	03/29/2001	Shu-Huar Joseph Yeh	2066P/SVL920010013US1	6604

7590 05/18/2004  
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EXAMINER

VO, TED T

ART UNIT	PAPER NUMBER
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2122

DATE MAILED: 05/18/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

19

## Office Action Summary

Application No.

09/828,587

Applicant(s)

YEH, SHU-HUAR JOSEPH

Examiner

Ted T. Vo

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
  - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 05 March 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-14 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-14 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |   |   |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                        | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)    | Paper No(s)/Mail Date. _____  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____   | 6) <input type="checkbox"/> Other: _____                                    |

**DETAILED ACTION**

1. This action is in response to Applicants' amendment filed on 3/5/2004, where Claims 1, 5, 9, and 12 are amended. Claims 1-14 remain pending in the application.

***Response to Arguments***

2. Applicants' amendment has been fully considered. Applicant's amendment to the newly added limitation of Claims 1, 5, 9, and 12, necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

Applicants' arguments to Claims 1-14, particularly to amended Claims 1, 5, 9, and 12 have been fully considered. However, these arguments are not persuasive.

For example,

- a. Applicants point out the specification at "p.7 line 17 through line p.5 line 20" for the teaching of the newly amended limitation, "*a naming scheme is a concatenation of values for a plurality of attributes*" (re: Remarks: page 7, line 6).

Examiner respectfully responds: What Applicant referring to "p.7 line 17 through line p.5 line 20" is unclear. It would require clarifying the Applicants' point.

However, the limitation is interpreted in light in the Specification, at p. 5 in a given example of naming scheme, such as "SQLUDF400Build" for a combination names of programming language SQL, application type UDF, server type 400, and service type Build.

- b. With the assertion of "*is a concatenation of values for a plurality of attributes*", Applicants traverse that Peterson does not teach the newly added limitation by arguing that Paterson naming scheme is based on attributes for principle objects (re: Remarks: page 7, lines 7-11).

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Examiner respectfully disagrees: Broadly claiming limitations in Claim 1, 5, 9, 12 meet the naming scheme disclosed by Peterson. For example, "J", "John", or "John Doe" is a value of attribute "name" in regards to Peterson's teaching (page 344, "attribute tags"). Regarding the mapping {attribute1, attribute2, ...} → p, this meets the broaden preamble, "An application creation tool", and also discloses attribute concatenation. The name scheme "SQLUDF400Build" given in the Specification's example above is formed in a similar manner as the mapping of Peterson: i.e. {"SQL", "UDF", "400", "Build"} → to a naming scheme p = "SQLUDF400Build". Based on the example in the Specification and the mapping of Peterson, {attribute1, attribute2, ...} → p (particularly, Peterson shows a binding {John, Smith, system} → js; or {John, Doe} → jd; re: Peterson: Page 348), the two naming schemes are similar. In another word, the mapping of Peterson, such as {John, Doe} → jd discloses concatenation of values for a plurality of attributes.

Furthermore, in section 3, Name Space, pages 350-352, Peterson discusses binding operation which performs combining attribute values. For example, the name "John Doe" has phone number "621-1234", "at State University" would be forming a string name "John Doe, 621-1234, @ State University" (Page 350, last paragraph).

Therefore, Applicants' arguments to Claims 1-14, particularly arguing for the newly added limitation of Claim 1, 5, 9 and 12 are not persuasive based on Paterson's teaching as cited above.

### ***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

A person shall be entitled to a patent unless –

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Peterson, "The Profile Name Service", 1988.

As per claim 1:

Peterson discloses a Profile Naming Architecture (creation tool) (Page 343, Figure 1) that provides accessibility to a collection of resources (applications) (Page 343, Figure 1, Access resource by Name). The architecture provides that each naming resource is created by a corresponding principle (A component) (see page 343, line 2, 'Denote P', and see section 2.1, Attributes for {attribute1, attribute2,...} → p). Peterson's teaching covers the claim limitation:

*"An application creation tool (Page 343, Figure 1), comprising:  
a first component (see page 343, section 2.1, for each p for example p1: will be {attribute1, attribute2,...} → p1), wherein a name of the first component in accordance with a naming scheme is a concatenation of values for a plurality of attributes for an application which the first component creates (see {attribute1, attribute2,...} → p; see page 348, a binding {John, Smith, system} → js; {John, Doe} → jd, see section 3, Name Space, pages 350-352, For example, the name "John Doe" has phone number "621-1234", "at State University" would be forming a string name "John Doe, 621-1234, @ State University" in Page 350, last paragraph); and*

*a second component (see page 343, section 2.1, for each p, for example p2: will be {attribute11, attribute22,...} → p2), wherein a name of the second component in accordance with the naming scheme is a concatenation of values for the plurality of attributes for the application (see { attribute1, attribute2,...} → p; see page 348, a binding {John, Smith, system} → js; {John, Doe} → jd, see section 3, Name Space, pages 350-352, For example, the name "John Doe" has phone number "621-1234", "at State University" would be forming a string name "John Doe, 621-1234, @ State University" in Page 350, last paragraph) which the second component creates".*

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Peterson teaches a creation of a collection of resources that is accessed by naming service based on a generic set of attribute principles.

Peterson lacks addressing about naming application creation. However, Peterson's naming service accesses an arbitrary collection of resources for conforming to attribute principle (see page 346, four sets, particularly see page 359, section 5,1,7).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time of invention was made to modify the naming scheme, as taught in Patterson which is based on combining of attribute values, directing to a tool for name building. Doing so would easily and directly identify an application's meaning based on its combining name attributes.

As per claim 2: Regarding, *"The application creation tool of claim 1, wherein the plurality of attributes comprises at least one of: a programming language; an application type; a server type; and a service type"*, Peterson teaches a generic set of {attribute1, attribute2,...} for a resource principle p.

Peterson does not address attributes as "an application type; a server type; and a service type", it would have been obvious to a person of ordinary skill in the art at the time of invention was made to include a particular set of attributes that is inherent in the principle a given resource as disclosed by Peterson for conforming to the requirement of the principle.

As per claim 3: Regarding, *"The application creation tool of claim 1, wherein the first component is a first Java class"*, Peterson does not address a first Java class. It would have been obvious to a person of ordinary skill in the art at the time of invention was made to include a principle (given that a principle in a set of principles being first Java class) as a Java class because Java class includes attributes conforming to the standard of as set by the principle.

As per claim 4: Regarding, *"The application creation tool of claim 1, wherein the second component is a second Java class"*, Peterson does not address a second Java class. It would have been obvious to a person of ordinary skill in the art at the time of invention was made to include a principle (given that another principle in a set of principles being second Java class), as second Java class because Java class includes attributes conforming to the standard of as set by the principle.

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As per claims 5, 9, 12: Claim 5, claim 9 and claim 12 are a system, a method and a computer readable medium, respectively, that have the claiming functionality corresponding to the application tool as recited by claim 1. Claim 5, claim 9, and claim 12 are rejected in the same reason as set forth in connection to the rejection of claim 1.

As per claims 6, 10, 13: Claim 6, claim 10 and claim 12 are a system, a method and a computer readable medium, respectively, that have the claiming functionality corresponding to the application tool as recited by claim 2. Claim 6, claim 10, and claim 13 are rejected in the same reason as set forth in connection to the rejection of claim 2.

As per claim 7: Claim 7 is a system that has the claiming functionality corresponding to the application tool as recited by claim 3. Claim 7 is rejected in the same reason as set forth in connection to the rejection of claim 3.

As per claims 8, 11, 14: Claim 8, claim 11 and claim 14 are a system, a method and a computer readable medium, respectively, that have the claiming functionality corresponding to the application tool as recited by claim 4. Claim 8, claim 11, and claim 14 are rejected in the same reason as set forth in connection to the rejection of claim 4.

### ***Conclusion***

5. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the

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advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ted T. Vo whose telephone number is (703) 308-9049. The examiner can normally be reached on Monday-Friday from 8:00 AM to 5:30 PM ET. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tuan Dam, can be reached on (703) 305-4552.

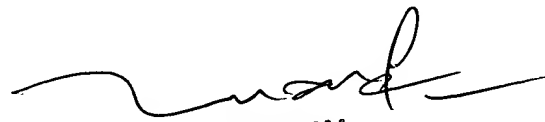
The fax phone numbers:

(703) 872-9306 (for formal communication intended for entry);

(703) 746-5429 (for informal or draft communication, please label "PROPOSED" or "DRAFT").

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3900.

TTV  
Art Unit: 2122  
May 11, 2004



**TUAN DAM**  
**SUPERVISORY PATENT EXAMINER**